Amendments to the Specification

This listing of numbered paragraphs will replace the prior listing of the same numbered paragraphs in the application.

[0012] Non-limiting examples of titanate coupling agents include tetra ~~(2,2 diallyoxymethyl)butyl~~ (2,2-diallyloxymethyl)butyl titanate, di(ditridecyl) phosphito titanate (commercially available as KR 55 from Kenrich Petrochemicals, Inc.); neopentyl(diallyl)oxy, ~~trineodecanonyl~~ trineodecanoyl titanate; neopentyl(diallyl)oxy, tri(dodecyl)benzene-sulfonyl titanate; neopentyl(diallyl)oxy, tri(dioctyl)phosphato titanate; neopentyl~~(diallyl)~~ (diallyl)oxy, tri(dioctyl) pyro-phosphato titanate; neopentyl(diallyl)oxy, tri(N-ethylenediamino)ethyl titanate; neopentyl(diallyl)oxy, tri(m-amino) phenyl titanate; neopentyl(diallyl)oxy, trihydroxy caproyl titanate; isopropyldimethylacrylisosteroyl titanate; tetraisopropyl(dioctyl) phosphito titanate; at least partial hydrolysates thereof or mixtures thereof.

[0013] Non-limiting examples of zirconate coupling agents include tetra (2,2 diallyloxymethyl)butyl, di(ditridecyl)phosphito zirconate (commercially available as KZ 55 from Kenrich Petrochemicals, Inc.); neopentyl(diallyl)oxy, trineodecanoyl zirconate; neopentyl(diallyl)oxy, tri(dodecyl)benzene-~~sulfony~~ sulfonyl zirconate; neopentyl(diallyl)oxy, tri(dioctyl)phosphato zirconate; neopentyl(diallyl)oxy, tri(dioctyl)pyro-phosphato zirconate; neopentyl(diallyl)oxy, tri(N-ethylenediamino)ethyl zirconate; neopentyl(diallyl)oxy, tri(m-amino)phenyl zirconate; neopentyl(diallyl)oxy, trimethacryl zirconate; neopentyl(diallyl)oxy, triacryl zirconate ; dineopentyl(diallyl)oxy, ~~diparamino~~ di(p-amino)benzoyl zirconate; dineopentyl~~(aiallyl)~~(diallyl)oxy, di(3-mercapto) propionic zirconate; at least partial hydrolysates thereof or mixtures thereof.

[0016] Non-limiting examples of silane coupling agents include: vinyltriacetoxysilane, vinyltrimethoxysilane, vinyltri(2-

methoxyethoxy)silane, vinyltriphenoxysilane, vinyltriisopropoxysilane, vinyltri-t-butoxysilane, divinyldiethoxysilane, γ-glycidoxypropyltrimethoxysilane, ~~allytriethoxysilane~~ allyltriethoxysilane ~~allytrimethoxysilane~~ allyltrimethoxysilane, (3-acryloxypropyl)dimethylmethoxysilane, (3-acryloxypropyl)methyldimethoxysilane, (3-acryloxypropyl)trimethoxysilane, (methacryloxymethyl) dimethylethoxysilane, methacryloxymethyltriethoxysilane, methacryloxymethyltrimethoxysilane, methacryloxypropyl-dimethylethoxysilane, methacryloxypropyltrimethoxysilane, styrlethyltrimethoxysilane, mercaptomethylmethyldiethoxysilane, 3-mercaptopropylmethyldimethoxysilane, 3-mercaptopropyl-triethoxysilane, 3-mercaptopropyltrimethoxysilane; at least partial hydrolysates thereof or mixtures thereof.

[0030] In a further non-limiting ~~embodiemnt~~embodiment, the coating composition further comprises a material represented by the aforementioned formula wherein M is silicon, X is independently chosen for each occurrence from alkoxy groups of from 1 to 6 carbon atoms or acyloxy groups of from 1 to 6 carbon atoms; R_{12} is independently chosen for each occurrence from alkoxy groups of from 1 to 6 carbon atoms or aliphatic hydrocarbon groups of from 1 to 6 carbon atoms; and e is the integer 1 or 2.

[0040] Application of the adhesion enhancing coating can be by any of the methods used in coating technology. Non-limiting examples include: spray coating, spin coating, spin and spray coating, spread coating, dip coating, casting or roll-coating. In a series of non-limiting embodiments, the coating composition of the present invention can be used as a surface modifying treatment in which the thickness of the coating can be one or several mono-molecular layers thick, as a primer having a thickness of from 0.1 to 10 microns thick, as a coating having a thickness that ~~could~~ can vary widely. In the latter case, the coating composition can be used, in one non-limiting embodiment, as a protective coating to which subsequent coatings are not applied.